

Figure 2

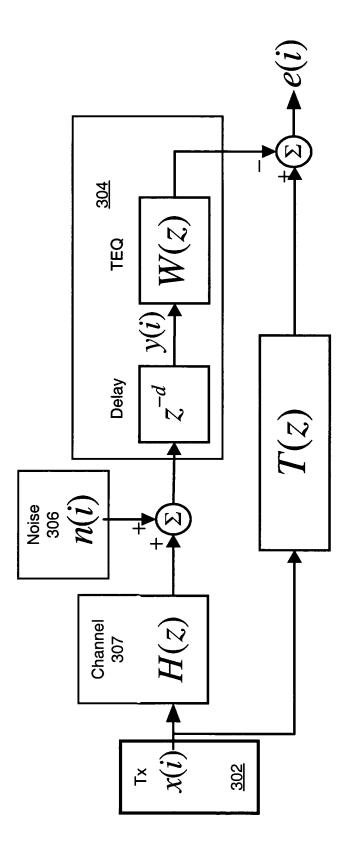


Figure 3



Calculating an estimation of a first value for a center delay to shift an impulse response to a beginning of a block of time domain data in a multiple tone signal.

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Creating a set of values around the first value estimate to shift the impulse response that includes at least the first value for the delay and a second value for the delay.

Calculating a first minimum mean square error to determine coefficients of a Time-domain Equalizer algorithm based up the first value for the delay so that the length of the overall impulse response is approximately equal to or smaller than a guard period. A single tap/coefficeent may be selected to be set at a fixed value in the target impulse response model to prevent the target impulse response model from having a calculated zero result when modeling the target impulse response.

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Receiving a measurement of a first value of an inter-symbol interference of a channel after the first minimum mean square error is applied to the multiple tone signal.

Selecting the second value for the delay, where the second value deviates a fixed amount from the first value for the delay.

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Figure 4a

